

## Reference 3



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(54) IMAGE FORMING METHOD ON LABEL SURFACE  
 OF OPTICAL DISK, OPTICAL DISK DEVICE AND  
 OPTICAL DISK

image on the label surface.

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## (57) Abstract:

PROBLEM TO BE SOLVED: To form an image on a label surface of an optical disk utilizing a laser beam of an optical disk device.

SOLUTION: A visible light characteristics variation layer consisting of a photosensitive material, a thermosensitive material or the like is formed at the part which can be viewed from the side of the label surface of the optical disk. The optical disk is set to a turntable of the optical disk device turning the label surface downward. The optical disk and an optical pickup are relatively moved along the surface of the optical disk. The power of the laser beam emitted from the optical pickup synchronizing with the relative movement is modulated corresponding to image data of a character, picture and the like to be image-formed to irradiate the visible light characteristics variation layer with the laser beam. The visible light characteristics of the visible light characteristics change layer is varied by the laser beam irradiation to form the corresponding

